

§ 85.2204

§ 85.2204 Short test standards for 1981 and later model year light-duty trucks.

(a) For light-duty trucks for which the test procedures described in § 85.2209, § 85.2210, § 85.2211, § 85.2212, § 85.2214, or § 85.2216 are used to establish Emissions Performance Warranty eligibility (that is, 1981 and later model year light-duty trucks at low altitude and 1982 and later model year trucks at high altitude to which high altitude certification standards of 2.0 g/mile HC and 26 g/mile CO or less apply), short test emissions may not exceed the standards listed in paragraphs (a)(1) and (2) of this section.

- (1) Hydrocarbons: 220 ppm as hexane.
- (2) Carbon monoxide: 1.2%.

(b) For light-duty trucks for which the test procedure described in § 85.2214 is used to establish Emissions Performance Warranty eligibility (that is, 1981 and later model year light-duty trucks at low altitude and 1982 and later model year trucks at high altitude to which high altitude certification standards of 2.0 g/mile HC and 26 g/mile CO or less apply), the lowest readings from the two idle modes must be used to determine compliance. Short test emissions may not exceed the standards listed in paragraphs (b)(1) and (2) of this section.

- (1) Hydrocarbons: 200 ppm as hexane.
- (2) Carbon monoxide: 1.0%.

(c) For 1981 and later model year gasoline-fueled light-duty trucks for which any of the test procedures described in § 85.2213, § 85.2215, § 85.2217, § 85.2218, § 85.2219, or § 85.2220 are utilized to establish Emissions Performance Warranty eligibility (that is, 1981 and later model year light-duty trucks at low altitude and 1982 and later model year trucks at high altitude to which high altitude certification standards of 2.0 g/mile HC and 26 g/mile CO or less apply), short test emissions for all tests and test modes may not exceed the standards listed in paragraphs (c)(1) and (2) of this section.

- (1) Hydrocarbons: 220 ppm as hexane.
- (2) Carbon monoxide: 1.2%.

[58 FR 58401, Nov. 1, 1993]

40 CFR Ch. I (7–1–12 Edition)

§§ 85.2205–85.2206 [Reserved]

§ 85.2207 On-board diagnostics test standards.

(a) [Reserved]

(b) A vehicle shall fail the on-board diagnostics test if it is a 1996 or newer vehicle and the vehicle connector is missing, has been tampered with, or is otherwise inoperable.

(c) A vehicle shall fail the on-board diagnostics test if the malfunction indicator light is commanded to be illuminated and it is not visually illuminated according to visual inspection.

(d) A vehicle shall fail the on-board diagnostics test if the malfunction indicator light is commanded to be illuminated for one or more OBD diagnostic trouble codes (DTCs), as defined by SAE J2012. The procedure shall be done in accordance with SAE J2012 Diagnostic Trouble Code Definitions, (MAR92). This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of SAE J2012 may be obtained from the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096-0001. Copies may be inspected at the EPA Docket No. A-94-21 at EPA's Air Docket, (LE-131) Room 1500 M, 1st Floor, Waterside Mall, 401 M Street SW, Washington, DC, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(e) [Reserved]

[61 FR 40946, Aug. 6, 1996, as amended at 63 FR 24433, May 4, 1998; 66 FR 18178, Apr. 5, 2001]

§ 85.2208 Alternative standards and procedures.

(a)(1) As a part of the certification process, as set forth in 40 CFR part 86, subparts A and S, a manufacturer may request an alternative short test standard or short test procedure for any vehicle or engine for which the standards or procedures specified in this subpart are not appropriate. The requestor shall supply relevant test data and